BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer
Dasarahalli Division
EMB

Name of Work :-	Construction of Roads and Drains in Chikkasandra and AGB layout in Ward No.17
Est Cost :-	100.00 Lakhs
Job Code :-	017-23-000002
AS :-	EE/DD/AS/34/2022-23, Dt:- 18/11/2022
TS :-	CE/DZ/TS/26/2022-23, Dt: 21/11/2023
Work Order :-	EE/DD/WO/151/2022-23 Dt :- 17/03/2023
Name of Contractor:-	Sri. Byadigere Honnesh Shivakumar Mahalakshmipura, Bangalore-560086.

NAME OF WORK :-	Construction of Roads and Drains in Chikkasandra and AGB layout in Ward No.17
JOB CODE :-	017-23-000002
WORK ORDER No :-	EE/DD/WO/151/2022-23 Dt :- 17/03/2023
AS No :-	EE/DD/AS/34/2022-23, Dt:- 18/11/2022
TS No :-	CE/DZ/TS/26/2022-23, Dt: 21/11/2022
ESTIMATE COST :-	100.00 Lakhs
DATE OF MEASURENENTS :-	

Sl No	Description	Unit	No	Measurements				Depth	Qty
				Length	Width		Avg Width (W1+W2)/2		
					W1	W2			
1	Earth work excavation by manual means for drains,canals and similar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, re- moval of stumps and other deleterious matter, excavated surface lev- eled and sides neatly dressed disposing off the excavated stuff or sort- ing & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.In all kinds of soils Depth upto 1.5 m complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22.								
	Disilting								
	AGB Layout 10th C Main	Cum							
	Ch 0.00 to 30.00m		1	30.00			0.45	0.35	4.73
	Ch 30.00 to 60.00m		1	30.00			0.45	0.35	4.73
	Ch 60.00 to 90.00m		1	30.00			0.45	0.35	4.73
	Ch 90.00 to 120.00m		1	30.00			0.45	0.35	4.73
	Ch 120.00 to 130.00m		1	10.00			0.45	0.35	1.58
	4th cross								
	Ch 0.00 to 30.00m		1	30.00			0.45	0.35	4.73
	Ch 30.00 to 60.00m		1	30.00			0.45	0.35	4.73
	Ch 60.00 to 90.00m		1	30.00			0.45	0.35	4.73
	Ch 90.00 to 120.00m		1	30.00			0.45	0.35	4.73
	Ch 120.00 to 150.00m		1	30.00			0.45	0.35	4.73
	Ch 150.00 to 180.00m		1	30.00			0.45	0.35	4.73
	Ch 180.00 to 184.00m		1	4.00			0.45	0.35	0.63
	After 11th main road								
	Ch 0.00 to 30.00m		1	30.00			0.45	0.35	4.73
	Ch 30.00 to 60.00m		1	30.00			0.45	0.35	4.73
	Ch 60.00 to 90.00m		1	30.00			0.45	0.35	4.73
	Ch 90.00 to 110.80m		1	10.80			0.45	0.35	1.70
	11th B Cross LHS								
	Ch 0.00 to 30.00m		1	30.00			0.45	0.35	4.73
	Ch 30.00 to 60.00m		1	30.00			0.45	0.35	4.73
	Ch 60.00 to 90.00m		1	30.00			0.45	0.35	4.73
	Ch 90.00 to 112.80m		1	22.80			0.45	0.35	3.59
	11th B Cross RHS								
	Ch 0.00 to 30.00m		1	30.00			0.45	0.35	4.73
	Ch 30.00 to 60.00m		1	30.00			0.45	0.35	4.73
	Ch 60.00 to 67.30m		1	17.30			0.45	0.35	2.72
	11th A Cross LHS								
	Ch 0.00 to 30.00m		1	30.00			0.45	0.35	4.73
	Ch 30.00 to 60.00m		1	30.00			0.45	0.35	4.73

Description	Unit	No	Measurements					Qty
			Length	Width		Avg Width (W1+W2)/2	Depth	
				W1	W2			
Ch 60.00 to 90.00m		1	30.00			0.45	0.35	4.73
Ch 90.00 to 112.60m		1	22.60			0.45	0.35	3.56
11th B Cross RHS								
Ch 0.00 to 30.00m		1	30.00			0.45	0.35	4.73
Ch 30.00 to 60.00m		1	30.00			0.45	0.35	4.73
Ch 60.00 to 77.30m		1	17.30			0.45	0.35	2.72
11th D Cross RHS								
Ch 0.00 to 30.00m		1	30.00			0.45	0.35	4.73
Ch 30.00 to 40.20m		1	10.20			0.45	0.35	1.61
11th Main LHS								
Ch 0.00 to 30.00m		1	30.00			0.45	0.35	4.73
Ch 30.00 to 55.20m		1	25.20			0.45	0.35	3.97
2nd Cross								
Ch 0.00 to 30.00m		1	30.00			0.45	0.35	4.73
Ch 30.00 to 60.00m		1	30.00			0.45	0.35	4.73
Ch 60.00 to 90.00m		1	30.00			0.45	0.35	4.73
Ch 90.00 to 112.80m		1	16.10			0.45	0.35	2.54
3rd Cross								
Ch 0.00 to 30.00m		1	30.00			0.45	0.35	4.73
Ch 30.00 to 60.00m		1	30.00			0.45	0.35	4.73
Ch 60.00 to 90.00m		1	30.00			0.45	0.35	4.73
Ch 90.00 to 112.80m		1	20.00			0.45	0.35	3.15
11th Main Rhs								
Road Work								
AGB Layout 10th C Main	Cum							
Ch 0.00 to 30.00m		1	30.00	6.60	5.20	5.90	0.20	35.40
Ch 30.00 to 60.00m		1	30.00	5.20	4.95	5.08	0.20	30.45
Ch 60.00 to 90.00m		1	30.00	4.95	4.80	4.88	0.20	29.25
Ch 90.00 to 120.00m		1	30.00	4.80	5.10	4.95	0.20	29.70
Ch 120.00 to 130.60m		1	10.60	5.10	4.80	4.95	0.20	10.49
4th cross								
Ch 0.00 to 30.00m		1	30.00	6.20	4.80	5.50	0.20	33.00
Ch 30.00 to 60.00m		1	30.00	4.80	5.00	4.90	0.20	29.40
Ch 60.00 to 90.00m		1	30.00	5.00	5.10	5.05	0.20	30.30
Ch 90.00 to 120.00m		1	30.00	5.10	4.20	4.65	0.20	27.90
Ch 120.00 to 150.00m		1	30.00	4.20	5.10	4.65	0.20	27.90
Ch 150.00 to 180.00m		1	30.00	5.10	5.60	5.35	0.20	32.10
Ch 180.00 to 183.40m		1	3.40	5.60	6.10	5.85	0.20	3.98
After 11th main road								
Ch 0.00 to 30.00m		1	30.00	5.45	5.50	5.48	0.20	32.85
Ch 30.00 to 60.00m		1	30.00	5.50	5.00	5.25	0.20	31.50
Ch 60.00 to 90.00m		1	30.00	5.00	5.00	5.00	0.20	30.00
Ch 90.00 to 110.10m		1	20.60	5.00	4.70	4.85	0.20	19.98
11th B Cross LHS								
Ch 0.00 to 30.00m		1	30.00	5.10	4.90	5.00	0.15	22.50
Ch 30.00 to 60.00m		1	30.00	4.90	4.90	4.90	0.15	22.05
Ch 60.00 to 90.00m		1	30.00	4.90	4.80	4.85	0.15	21.83
Ch 90.00 to 112.80m		1	22.20	4.80	5.00	4.90	0.15	16.32
11th B Cross RHS								

Description	Unit	No	Measurements					Qty
			Length	Width		Avg Width (W1+W2)/2	Depth	
				W1	W2			
Ch 0.00 to 30.00m		1	30.00	5.30	4.70	5.00	0.15	22.50
Ch 30.00 to 60.00m		1	30.00	4.70	4.80	4.75	0.15	21.38
Ch 60.00 to 76.60m		1	16.60	4.80	4.70	4.75	0.15	11.83
11th A Cross LHS								
Ch 0.00 to 30.00m		1	30.00	5.40	4.80	5.10	0.15	22.95
Ch 30.00 to 60.00m		1	30.00	4.80	4.90	4.85	0.15	21.83
Ch 60.00 to 90.00m		1	30.00	4.90	4.70	4.80	0.15	21.60
Ch 90.00 to 112.60m		1	22.60	4.70	5.00	4.85	0.15	16.44
11th A Cross RHS								
Ch 0.00 to 30.00m		1	30.00	4.70	4.60	4.65	0.15	20.93
Ch 30.00 to 60.00m		1	30.00	4.60	4.80	4.70	0.15	21.15
Ch 60.00 to 65.80m		1	6.00	4.80	4.70	4.75	0.15	4.28
11th D Cross RHS								
Ch 0.00 to 30.00m		1	30.00	5.10	4.60	4.85	0.15	21.83
Ch 30.00 to 40.20m		1	10.50	4.60	4.50	4.55	0.15	7.17
11th Main LHS								
Ch 0.00 to 30.00m		1	30.00	5.60	4.70	5.15	0.15	23.18
Ch 30.00 to 55.20m		1	24.00	4.70	4.50	4.60	0.15	16.56
2nd Cross								
Ch 0.00 to 30.00m		1	30.00	5.00	5.10	5.05	0.20	30.30
Ch 30.00 to 60.00m		1	30.00	5.10	5.10	5.10	0.20	30.60
Ch 60.00 to 90.00m		1	30.00	5.10	4.70	4.90	0.15	22.05
Ch 90.00 to 112.80m		1	20.20	4.70	5.40	5.05	0.15	15.30
3rd Cross								
Ch 0.00 to 30.00m		1	30.00	5.20	5.20	5.20	0.15	23.40
Ch 30.00 to 60.00m		1	30.00	5.20	4.80	5.00	0.15	22.50
Ch 60.00 to 90.00m		1	30.00	4.80	5.10	4.95	0.15	22.28
Ch 90.00 to 112.80m		1	15.30	5.10	5.50	5.30	0.15	12.16
							TOTAL WORK DONE QTY	1123.32
							QUANTITY LIMITED TO	1117.79

24/3/23

12/4/23

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2 Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material with in all lifts and lead complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-15, I. No-3.5)

11th B Cross LHS	Sqm							
Ch 0.00 to 30.00m		1	30.00	5.10	4.90	5.00		150.00
Ch 30.00 to 60.00m		1	30.00	4.90	4.90	4.90		147.00
Ch 60.00 to 90.00m		1	30.00	4.90	4.80	4.85		145.50
Ch 90.00 to 112.80m		1	22.20	4.80	5.00	4.90		108.78
11th B Cross RHS								
Ch 0.00 to 30.00m		1	30.00	5.30	4.70	5.00		150.00
Ch 30.00 to 60.00m		1	30.00	4.70	4.80	4.75		142.50
Ch 60.00 to 76.60m		1	16.60	4.80	4.70	4.75		78.85
11th A Cross LHS								
Ch 0.00 to 30.00m		1	30.00	5.40	4.80	5.10		153.00

Description	Unit	No	Measurements					Qty
			Length	Width W1	Width W2	Avg Width (W1+W2)/2	Depth	
Ch 30.00 to 60.00m		1	30.00	4.80	4.90	4.85		145.50
Ch 60.00 to 90.00m		1	30.00	4.90	4.70	4.80		144.00
Ch 90.00 to 112.60m		1	22.60	4.70	5.00	4.85		107.61
11th A Cross RHS								
Ch 0.00 to 30.00m		1	30.00	4.70	4.60	4.65		139.50
Ch 30.00 to 60.00m		1	30.00	4.60	4.80	4.70		141.00
Ch 60.00 to 65.80m		1	6.00	4.80	4.70	4.75		28.50
11th D Cross RHS								
Ch 0.00 to 30.00m		1	30.00	5.10	4.60	4.85		145.50
Ch 30.00 to 40.20m		1	10.50	4.60	4.50	4.55		47.78
11th Main LHS								
Ch 0.00 to 30.00m		1	30.00	5.60	4.70	5.15		154.50
Ch 30.00 to 55.20m		1	24.00	4.70	4.50	4.60		110.40
							TOTAL WORK DONE QTY	2241.97
							QUANTITY LIMITED TO	2126.92

20/3/23
to 10/4/23

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3 Loading and Unloading of Stone Boulder/ Stone aggregates/Sand/Kankar/Moorum. (Hipper 10 m3) complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-3, I. No-1.1)

Qty Vide Item No 1	Cum	1	1123.32					1123.32
Qty Vide Item No 2		1	2126.92				0.05	106.35
							TOTAL WORK DONE QTY	1229.67
							QUANTITY LIMITED TO	1224.14

20/3/23
to 10/4/23

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4 Cost of Haulage Excluding Loading and Unloading Case-1 : Surfaced Road (Taking output 10 tonnes load and lead 10 km = 100 t.km) complete as per directions of Engineer-in-charge.

10 Km X 1.28t of item No 3	Cum	1	10.00	1.28	1229.67			15739.77
							TOTAL WORK DONE QTY	15739.77
							QUANTITY LIMITED TO	15668.96

21/3/23
to 10/4/23

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5 Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 For Grading -V Material complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-19, I. No-4.1-V)

AGB Layout 10th C Main	Cum							
Ch 0.00 to 30.00m		1	30.00	6.60	5.20	5.90	0.15	26.55
Ch 30.00 to 60.00m		1	30.00	5.20	4.95	5.08	0.15	22.84

Description	Unit	No	Measurements					Qty
			Length	Width		Avg Width (W1+W2)/2	Depth	
				W1	W2			
60.00 to 90.00m		1	30.00	4.95	4.80	4.88	0.15	21.94
Ch 90.00 to 120.00m		1	30.00	4.80	5.10	4.95	0.15	22.28
Ch 120.00 to 130.60m		1	10.60	5.10	4.80	4.95	0.15	7.87
4th cross								
Ch 0.00 to 30.00m		1	30.00	6.20	4.80	5.50	0.15	24.75
Ch 30.00 to 60.00m		1	30.00	4.80	5.00	4.90	0.15	22.05
Ch 60.00 to 90.00m		1	30.00	5.00	5.10	5.05	0.15	22.73
Ch 90.00 to 120.00m		1	30.00	5.10	4.20	4.65	0.15	20.93
Ch 120.00 to 150.00m		1	30.00	4.20	5.10	4.65	0.15	20.93
Ch 150.00 to 180.00m		1	30.00	5.10	5.60	5.35	0.15	24.08
Ch 180.00 to 183.40m		1	3.40	5.60	6.10	5.85	0.15	2.98
After 11th main road								
Ch 0.00 to 30.00m		1	30.00	5.45	5.50	5.48	0.15	24.64
Ch 30.00 to 60.00m		1	30.00	5.50	5.00	5.25	0.15	23.63
Ch 60.00 to 90.00m		1	30.00	5.00	5.00	5.00	0.15	22.50
Ch 90.00 to 110.10m		1	20.60	5.00	4.70	4.85	0.15	14.99
							TOTAL WORK DONE QTY	325.65
							QUANTITY LIMITED TO	275.69

10/4/23
to 28/4/23

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6 Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-24, I. No-4.27)

AGB Layout 10th C Main	Cum							
Ch 0.00 to 30.00m		1	30.00	6.60	5.20	5.90	0.15	26.55
Ch 30.00 to 60.00m		1	30.00	5.20	4.95	5.08	0.15	22.84
Ch 60.00 to 90.00m		1	30.00	4.95	4.80	4.88	0.15	21.94
Ch 90.00 to 120.00m		1	30.00	4.80	5.10	4.95	0.15	22.28
Ch 120.00 to 130.60m		1	10.60	5.10	4.80	4.95	0.15	7.87
4th cross								
Ch 0.00 to 30.00m		1	30.00	6.20	4.80	5.50	0.15	24.75
Ch 30.00 to 60.00m		1	30.00	4.80	5.00	4.90	0.15	22.05
Ch 60.00 to 90.00m		1	30.00	5.00	5.10	5.05	0.15	22.73
Ch 90.00 to 120.00m		1	30.00	5.10	4.20	4.65	0.15	20.93
Ch 120.00 to 150.00m		1	30.00	4.20	5.10	4.65	0.15	20.93
Ch 150.00 to 180.00m		1	30.00	5.10	5.60	5.35	0.15	24.08
Ch 180.00 to 183.40m		1	3.40	5.60	6.10	5.85	0.15	2.98
After 11th main road								
Ch 0.00 to 30.00m		1	30.00	5.45	5.50	5.48	0.15	24.64
Ch 30.00 to 60.00m		1	30.00	5.50	5.00	5.25	0.15	23.63
Ch 60.00 to 90.00m		1	30.00	5.00	5.00	5.00	0.15	22.50
Ch 90.00 to 110.10m		1	20.60	5.00	4.70	4.85	0.15	14.99
11th B Cross LHS								
Ch 0.00 to 30.00m		1	30.00	5.10	4.90	5.00	0.15	22.50

Description	Unit	No	Measurements					
			Length	Width		Avg Width (W1+W2)/2	Depth	Qty
				W1	W2			
30.00 to 60.00m		1	30.00	4.90	4.90	4.90	0.15	22.09
Ch 60.00 to 90.00m		1	30.00	4.90	4.80	4.85	0.15	21.83
Ch 90.00 to 112.80m		1	22.20	4.80	5.00	4.90	0.15	16.32
11th B Cross RHS								
Ch 0.00 to 30.00m		1	30.00	5.30	4.70	5.00	0.15	22.50
Ch 30.00 to 60.00m		1	30.00	4.70	4.80	4.75	0.15	21.38
Ch 60.00 to 76.60m		1	16.60	4.80	4.70	4.75	0.15	11.81
11th A Cross LHS								
Ch 0.00 to 30.00m		1	30.00	5.40	4.80	5.10	0.15	22.95
Ch 30.00 to 60.00m		1	30.00	4.80	4.90	4.85	0.15	21.83
Ch 60.00 to 90.00m		1	30.00	4.90	4.70	4.80	0.15	21.60
Ch 90.00 to 112.60m		1	22.60	4.70	5.00	4.85	0.15	16.44
11th A Cross RHS								
Ch 0.00 to 30.00m		1	30.00	4.70	4.60	4.65	0.15	20.93
Ch 30.00 to 60.00m		1	30.00	4.60	4.80	4.70	0.15	21.15
Ch 60.00 to 65.80m		1	6.00	4.80	4.70	4.75	0.15	4.28
11th D Cross RHS								
Ch 0.00 to 30.00m		1	30.00	5.10	4.60	4.85	0.20	29.10
Ch 30.00 to 40.20m		1	10.50	4.60	4.50	4.55	0.20	9.56
11th Main LHS								
Ch 0.00 to 30.00m		1	30.00	5.60	4.70	5.15	0.20	30.90
Ch 30.00 to 55.20m		1	24.00	4.70	4.50	4.60	0.20	22.08
2nd Cross								
Ch 0.00 to 30.00m		1	30.00	5.00	5.10	5.05	0.15	22.73
Ch 30.00 to 60.00m		1	30.00	5.10	5.10	5.10	0.15	22.95
Ch 60.00 to 90.00m		1	30.00	5.10	4.70	4.90	0.15	22.05
Ch 90.00 to 112.80m		1	20.20	4.70	5.40	5.05	0.15	15.30
3rd Cross								
Ch 0.00 to 30.00m		1	30.00	5.20	5.20	5.20	0.15	23.40
Ch 30.00 to 60.00m		1	30.00	5.20	4.80	5.00	0.15	22.50
Ch 60.00 to 90.00m		1	30.00	4.80	5.10	4.95	0.15	22.28
Ch 90.00 to 112.80m		1	15.30	5.10	5.50	5.30	0.15	12.16
							TOTAL WORK DONE QTY	848.21
							QUANTITY LIMITED TO	844.20

14/4/23 to 4/05/23

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7	Providing and applying primer coat with SSI grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means. complete as per directions of Engineer-in-charge.(PWD,CSR 2021-22. Vol -3, Pg No-29, I. No-5.1)								
	AGB Layout 10th C Main	Sqm							
	Ch 0.00 to 30.00m		1	30.00	6.60	5.20	5.90		177.00
	Ch 30.00 to 60.00m		1	30.00	5.20	4.95	5.08		152.25
	Ch 60.00 to 90.00m		1	30.00	4.95	4.80	4.88		146.25
	Ch 90.00 to 120.00m		1	30.00	4.80	5.10	4.95		148.50
	Ch 120.00 to 130.60m		1	10.60	5.10	4.80	4.95		52.47

Description	Unit	No	Measurements					Qty
			Length	Width		Avg Width (W1+W3)/2	Depth	
				W1	W2			
h cross								
Ch 0.00 to 30.00m		1	30.00	6.20	4.80	5.50		165.00
Ch 30.00 to 60.00m		1	30.00	4.80	5.00	4.90		147.00
Ch 60.00 to 90.00m		1	30.00	5.00	5.10	5.05		151.50
Ch 90.00 to 120.00m		1	30.00	5.10	4.20	4.65		139.50
Ch 120.00 to 150.00m		1	30.00	4.20	5.10	4.65		139.50
Ch 150.00 to 180.00m		1	30.00	5.10	5.60	5.35		160.50
Ch 180.00 to 183.40m		1	3.40	5.60	6.10	5.85		~~19.89~~
After 11th main road								
Ch 0.00 to 30.00m		1	30.00	5.45	5.50	5.48		164.25
Ch 30.00 to 60.00m		1	30.00	5.50	5.00	5.25		157.50
Ch 60.00 to 90.00m		1	30.00	5.00	5.00	5.00		150.00
Ch 90.00 to 110.10m		1	20.60	5.00	4.70	4.85		99.91
11th B Cross LHS								
Ch 0.00 to 30.00m		1	30.00	5.10	4.90	5.00		150.00
Ch 30.00 to 60.00m		1	30.00	4.90	4.90	4.90		147.00
Ch 60.00 to 90.00m		1	30.00	4.90	4.80	4.85		~~145.50~~
Ch 90.00 to 112.80m		1	22.20	4.80	5.00	4.90		~~108.78~~
11th B Cross RHS								
Ch 0.00 to 30.00m		1	30.00	5.30	4.70	5.00		150.00
Ch 30.00 to 60.00m		1	30.00	4.70	4.80	4.75		142.50
Ch 60.00 to 76.60m		1	16.60	4.80	4.70	4.75		78.85
11th A Cross LHS								
Ch 0.00 to 30.00m		1	30.00	5.40	4.80	5.10		153.00
Ch 30.00 to 60.00m		1	30.00	4.80	4.90	4.85		145.50
Ch 60.00 to 90.00m		1	30.00	4.90	4.70	4.80		144.00
Ch 90.00 to 112.60m		1	22.60	4.70	5.00	4.85		~~109.61~~
11th A Cross RHS								
Ch 0.00 to 30.00m		1	30.00	4.70	4.60	4.65		~~139.50~~
Ch 30.00 to 60.00m		1	30.00	4.60	4.80	4.70		141.00
Ch 60.00 to 65.80m		1	6.00	4.80	4.70	4.75		28.50
11th D Cross RHS								
Ch 0.00 to 30.00m		1	30.00	5.10	4.60	4.85		145.50
Ch 30.00 to 40.20m		1	10.50	4.60	4.50	4.55		47.78
11th Main LHS								
Ch 0.00 to 30.00m		1	30.00	5.60	4.70	5.15		~~154.50~~
Ch 30.00 to 55.20m		1	24.00	4.70	4.50	4.60		~~110.40~~
2nd Cross								
Ch 0.00 to 30.00m		1	30.00	5.00	5.10	5.05		151.50
Ch 30.00 to 60.00m		1	30.00	5.10	5.10	5.10		153.00
Ch 60.00 to 90.00m		1	30.00	5.10	4.70	4.90		147.00
Ch 90.00 to 112.80m		1	20.20	4.70	5.40	5.05		102.01
3rd Cross								
Ch 0.00 to 30.00m		1	30.00	5.20	5.20	5.20		156.00
Ch 30.00 to 60.00m		1	30.00	5.20	4.80	5.00		150.00
Ch 60.00 to 90.00m		1	30.00	4.80	5.10	4.95		~~148.50~~
Ch 90.00 to 112.80m		1	15.30	5.10	5.50	5.30		~~81.09~~
							TOTAL WORK DONE QTY	**5502.04**

9/7/23

Description	Unit	No	Measurements				Depth	Qty
			Length	Width		Avg Width (W1+W2)/2		
				W1	W2			

oviding and laying Bituminous Macadam with 100 TPH capacity hot mix plant batch type using crushed aggregates of specified grading premixed with bituminous binder VG-30 @ 3.3% by weight of mix, transported to site, laid over a previously prepared surface with mechanical paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7 to achieve the desired compaction complete as per directions of Engineer in-charge. (PWD,CSR 2021-22, Vol -3, Pg No-29, I. No-5.68)

AGB Layout 10th C Main								
Ch 0.00 to 30.00m	Cum	1	30.00	6.60	5.20	5.90	0.05	8.85
Ch 30.00 to 60.00m		1	30.00	5.20	4.95	5.08	0.05	7.61
Ch 60.00 to 90.00m		1	30.00	4.95	4.80	4.88	0.05	7.31
Ch 90.00 to 120.00m		1	30.00	4.80	5.10	4.95	0.05	7.43
Ch 120.00 to 130.60m		1	10.60	5.10	4.80	4.95	0.05	2.62
4th cross								
Ch 0.00 to 30.00m		1	30.00	6.20	4.80	5.50	0.05	8.25
Ch 30.00 to 60.00m		1	30.00	4.80	5.00	4.90	0.05	7.35
Ch 60.00 to 90.00m		1	30.00	5.00	5.10	5.05	0.05	7.58
Ch 90.00 to 120.00m		1	30.00	5.10	4.20	4.65	0.05	6.98
Ch 120.00 to 150.00m		1	30.00	4.20	5.10	4.65	0.05	6.98
Ch 150.00 to 180.00m		1	30.00	5.10	5.60	5.35	0.05	8.03
Ch 180.00 to 183.40m		1	3.40	5.60	6.10	5.85	0.05	0.99
After 11th main road								
Ch 0.00 to 30.00m		1	30.00	5.45	5.50	5.48	0.05	8.22
Ch 30.00 to 60.00m		1	30.00	5.50	5.00	5.25	0.05	7.88
Ch 60.00 to 90.00m		1	30.00	5.00	5.00	5.00	0.05	7.50
Ch 90.00 to 110.10m		1	20.60	5.00	4.70	4.85	0.05	5.00
11th B Cross LHS								
Ch 0.00 to 30.00m		1	30.00	5.10	4.90	5.00	0.05	7.50
Ch 30.00 to 60.00m		1	30.00	4.90	4.90	4.90	0.05	7.35
Ch 60.00 to 90.00m		1	30.00	4.90	4.80	4.85	0.05	7.28
Ch 90.00 to 112.80m		1	22.20	4.80	5.00	4.90	0.05	5.44
11th B Cross RHS								
Ch 0.00 to 30.00m		1	30.00	5.30	4.70	5.00	0.05	7.50
Ch 30.00 to 60.00m		1	30.00	4.70	4.80	4.75	0.05	7.13
Ch 60.00 to 76.60m		1	16.60	4.80	4.70	4.75	0.05	3.94
11th A Cross LHS								
Ch 0.00 to 30.00m		1	30.00	5.40	4.80	5.10	0.05	7.65
Ch 30.00 to 60.00m		1	30.00	4.80	4.90	4.85	0.05	7.28
Ch 60.00 to 90.00m		1	30.00	4.90	4.70	4.80	0.05	7.20
Ch 90.00 to 112.60m		1	22.60	4.70	5.00	4.85	0.05	5.48
11th A Cross RHS								
Ch 0.00 to 30.00m		1	30.00	4.70	4.60	4.65	0.05	6.98
Ch 30.00 to 60.00m		1	30.00	4.60	4.80	4.70	0.05	7.05
Ch 60.00 to 65.80m		1	6.00	4.80	4.70	4.75	0.05	1.43
11th D Cross RHS								
Ch 0.00 to 30.00m		1	30.00	5.10	4.60	4.85	0.05	7.28
Ch 30.00 to 40.20m		1	10.50	4.60	4.50	4.55	0.05	2.39
11th Main LHS								
Ch 0.00 to 30.00m		1	30.00	5.60	4.70	5.15	0.05	7.73
Ch 30.00 to 55.20m		1	24.00	4.70	4.50	4.60	0.05	5.52

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Basavanagudi Division, Bangalore - 560 057.

Description	Unit	No	Measurements					Qty
			Length	Width		Avg Width (W1+W2)/2	Depth	
				W1	W2			
nd Cross								
Ch 0.00 to 30.00m		1	30.00	5.00	5.10	5.05	0.05	7.58
Ch 30.00 to 60.00m		1	30.00	5.10	5.10	5.10	0.05	7.65
Ch 60.00 to 90.00m		1	30.00	5.10	4.70	4.90	0.05	7.35
Ch 90.00 to 112.80m		1	20.20	4.70	5.40	5.05	0.05	5.10
3rd Cross								
Ch 0.00 to 30.00m		1	30.00	5.20	5.20	5.20	0.05	7.80
Ch 30.00 to 60.00m		1	30.00	5.20	4.80	5.00	0.05	7.50
Ch 60.00 to 90.00m		1	30.00	4.80	5.10	4.95	0.05	7.43
Ch 90.00 to 112.80m		1	15.30	5.10	5.50	5.30	0.05	4.05
							TOTAL WORK DONE QTY	275.19

9 Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom complete as per directions of Engineer-in-charge. (PWD,CSR 2021-22. Vol -3, Pg No-29, I. No-5.3)

AGB Layout 10th C Main								
Ch 0.00 to 30.00m	Sqm	1	30.00	6.60	5.20	5.90		177.00
Ch 30.00 to 60.00m		1	30.00	5.20	4.95	5.08		152.25
Ch 60.00 to 90.00m		1	30.00	4.95	4.80	4.88		146.25
Ch 90.00 to 120.00m		1	30.00	4.80	5.10	4.95		148.50
Ch 120.00 to 130.60m		1	10.60	5.10	4.80	4.95		52.47
4th cross								
Ch 0.00 to 30.00m		1	30.00	6.20	4.80	5.50		165.00
Ch 30.00 to 60.00m		1	30.00	4.80	5.00	4.90		147.00
Ch 60.00 to 90.00m		1	30.00	5.00	5.10	5.05		151.50
Ch 90.00 to 120.00m		1	30.00	5.10	4.20	4.65		139.50
Ch 120.00 to 150.00m		1	30.00	4.20	5.10	4.65		139.50
Ch 150.00 to 180.00m		1	30.00	5.10	5.60	5.35		160.50
Ch 180.00 to 183.40m		1	3.40	5.60	6.10	5.85		19.89
After 11th main road								
Ch 0.00 to 30.00m		1	30.00	5.45	5.50	5.48		164.25
Ch 30.00 to 60.00m		1	30.00	5.50	5.00	5.25		157.50
Ch 60.00 to 90.00m		1	30.00	5.00	5.00	5.00		150.00
Ch 90.00 to 110.10m		1	20.60	5.00	4.70	4.85		99.91
11th B Cross LHS								
Ch 0.00 to 30.00m		1	30.00	5.10	4.90	5.00		150.00
Ch 30.00 to 60.00m		1	30.00	4.90	4.90	4.90		147.00
Ch 60.00 to 90.00m		1	30.00	4.90	4.80	4.85		145.50
Ch 90.00 to 112.80m		1	22.20	4.80	5.00	4.90		108.78
11th B Cross RHS								
Ch 0.00 to 30.00m		1	30.00	5.30	4.70	5.00		150.00
Ch 30.00 to 60.00m		1	30.00	4.70	4.80	4.75		142.50
Ch 60.00 to 76.60m		1	16.60	4.80	4.70	4.75		78.85
11th A Cross LHS								
Ch 0.00 to 30.00m		1	30.00	5.40	4.80	5.10		153.00

Description	Unit	No	Measurements				Depth	Qty
			Length	Width		Avg Width (W1+W2)/2		
				W1	W2			
30.00 to 60.00m		1	30.00	4.80	4.90	4.85		145.50
Ch 60.00 to 90.00m		1	30.00	4.90	4.70	4.80		144.00
Ch 90.00 to 112.60m		1	22.60	4.70	5.00	4.85		109.61
11th A Cross RHS								
Ch 0.00 to 30.00m		1	30.00	4.70	4.60	4.65		139.50
Ch 30.00 to 60.00m		1	30.00	4.60	4.80	4.70		141.00
Ch 60.00 to 65.80m		1	6.00	4.80	4.70	4.75		28.50
11th D Cross RHS								
Ch 0.00 to 30.00m		1	30.00	5.10	4.60	4.85		145.50
Ch 30.00 to 40.20m		1	10.50	4.60	4.50	4.55		47.78
11th Main LHS								
Ch 0.00 to 30.00m		1	30.00	5.60	4.70	5.15		154.50
Ch 30.00 to 55.20m		1	24.00	4.70	4.50	4.60		110.40
2nd Cross								
Ch 0.00 to 30.00m		1	30.00	5.00	5.10	5.05		151.50
Ch 30.00 to 60.00m		1	30.00	5.10	5.10	5.10		153.00
Ch 60.00 to 90.00m		1	30.00	5.10	4.70	4.90		147.00
Ch 90.00 to 112.80m		1	20.20	4.70	5.40	5.05		102.01
3rd Cross								
Ch 0.00 to 30.00m		1	30.00	5.20	5.20	5.20		156.00
Ch 30.00 to 60.00m		1	30.00	5.20	4.80	5.00		150.00
Ch 60.00 to 90.00m		1	30.00	4.80	5.10	4.95		148.50
Ch 90.00 to 112.80m		1	15.30	5.10	5.50	5.30		81.09
						TOTAL WORK DONE QTY		5502.04

13/7/23

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10 Providing and laying Bituminous Concrete with 100 TPH capacity hot mix plant batch type using crushed aggregates of specified grading, premixed with bituminous binder VG-30 @5.2 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects complete as per directions of Engineer-in-charge. (PWD,CSR 2021-22. Vol -3, Pg No-34, I. No-5.14B)

AGB Layout 10th C Main									
Ch 0.00 to 30.00m	Cum	1	30.00	6.60	5.20	5.90	0.03	5.31	
Ch 30.00 to 60.00m		1	30.00	5.20	4.95	5.08	0.03	4.57	
Ch 60.00 to 90.00m		1	30.00	4.95	4.80	4.88	0.03	4.39	
Ch 90.00 to 120.00m		1	30.00	4.80	5.10	4.95	0.03	4.46	
Ch 120.00 to 130.60m		1	10.60	5.10	4.80	4.95	0.03	1.57	
4th cross									
Ch 0.00 to 30.00m		1	30.00	6.20	4.80	5.50	0.03	4.95	
Ch 30.00 to 60.00m		1	30.00	4.80	5.00	4.90	0.03	4.41	
Ch 60.00 to 90.00m		1	30.00	5.00	5.10	5.05	0.03	4.55	
Ch 90.00 to 120.00m		1	30.00	5.10	4.20	4.65	0.03	4.19	
Ch 120.00 to 150.00m		1	30.00	4.20	5.10	4.65	0.03	4.19	
Ch 150.00 to 180.00m		1	30.00	5.10	5.60	5.35	0.03	4.82	
Ch 180.00 to 183.40m		1	3.40	5.60	6.10	5.85	0.03	0.60	

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore - 560 057.

Description	Unit	No	Measurements					Qty
			Length	Width		Avg Width (W1+W2)/2	Depth	
				W1	W2			
ter 11th main road								
Ch 0.00 to 30.00m		1	30.00	5.45	5.50	5.48	0.03	4.93
Ch 30.00 to 60.00m		1	30.00	5.50	5.00	5.25	0.03	4.73
Ch 60.00 to 90.00m		1	30.00	5.00	5.00	5.00	0.03	4.50
Ch 90.00 to 110.10m		1	20.60	5.00	4.70	4.85	0.03	1.86
11th B Cross LHS								
Ch 0.00 to 30.00m		1	30.00	5.10	4.90	5.00	0.03	4.50
Ch 30.00 to 60.00m		1	30.00	4.90	4.90	4.90	0.03	4.41
Ch 60.00 to 90.00m		1	30.00	4.90	4.80	4.85	0.03	4.37
Ch 90.00 to 112.60m		1	22.20	4.80	5.00	4.90	0.03	2.00
11th B Cross RHS								
Ch 0.00 to 30.00m		1	30.00	5.30	4.70	5.00	0.03	4.50
Ch 30.00 to 60.00m		1	30.00	4.70	4.80	4.75	0.03	4.28
Ch 60.00 to 76.60m		1	16.60	4.80	4.70	4.75	0.03	1.47
11th A Cross LHS								
Ch 0.00 to 30.00m		1	30.00	5.40	4.80	5.10	0.03	4.59
Ch 30.00 to 60.00m		1	30.00	4.80	4.90	4.85	0.03	4.37
Ch 60.00 to 90.00m		1	30.00	4.90	4.70	4.80	0.03	4.32
Ch 90.00 to 112.60m		1	22.60	4.70	5.00	4.85	0.03	3.29
11th A Cross RHS								
Ch 0.00 to 30.00m		1	30.00	4.70	4.60	4.65	0.03	4.19
Ch 30.00 to 60.00m		1	30.00	4.60	4.80	4.70	0.03	4.23
Ch 60.00 to 66.00m		1	6.00	4.80	4.70	4.75	0.03	0.86
11th D Cross RHS								
Ch 0.00 to 30.00m		1	30.00	5.10	4.60	4.85	0.03	4.37
Ch 30.00 to 40.50m		1	10.50	4.60	4.50	4.55	0.03	1.43
11th Main LHS								
Ch 0.00 to 30.00m		1	30.00	5.60	4.70	5.15	0.03	4.64
Ch 30.00 to 55.80m		1	24.00	4.70	4.50	4.60	0.03	3.31
2nd Cross								
Ch 0.00 to 30.00m		1	30.00	5.00	5.10	5.05	0.03	4.55
Ch 30.00 to 60.00m		1	30.00	5.10	5.10	5.10	0.03	4.59
Ch 60.00 to 90.00m		1	30.00	5.10	4.70	4.90	0.03	4.41
Ch 90.00 to 110.80m		1	20.20	4.70	5.40	5.05	0.03	3.06
3rd Cross								
Ch 0.00 to 30.00m		1	30.00	5.20	5.20	5.20	0.03	4.68
Ch 30.00 to 60.00m		1	30.00	5.20	4.80	5.00	0.03	4.50
Ch 60.00 to 90.00m		1	30.00	4.80	5.10	4.95	0.03	4.46
Ch 90.00 to 112.80m		1	15.30	5.10	5.50	5.30	0.03	2.43
							TOTAL WORK DONE QTY	165.06

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore - 560 057.

13/7/23

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Description	Unit	No	Measurements				Depth	Qty
			Length	Width W1	Width W2	Avg Width (W1+W2)/2		
10 Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. :2015The finished surface to be level, uniform and free from streaks and holes complete as per directions of Engineer-in-charge. (PWD,CSR 2021-22. Vol -3, Pg No-57, I. No-8.15)								
AGB Layout 10th C Main								
Ch 0.00 to 30.00m		3	30.00			0.125		11.25
Ch 30.00 to 60.00m		3	30.00			0.125		11.25
Ch 60.00 to 90.00m		3	30.00			0.125		11.25
Ch 90.00 to 120.00m		3	30.00			0.125		11.25
Ch 120.00 to 130.60m		3	10.60			0.125		3.98
4th cross								
Ch 0.00 to 30.00m		3	30.00			0.125		11.25
Ch 30.00 to 60.00m		3	30.00			0.125		11.25
Ch 60.00 to 90.00m		3	30.00			0.125		11.25
Ch 90.00 to 120.00m		3	30.00			0.125		11.25
Ch 120.00 to 150.00m		3	30.00			0.125		11.25
Ch 150.00 to 180.00m		3	30.00			0.125		11.25
Ch 180.00 to 183.40m		3	3.40			0.125		1.28
After 11th main road								
Ch 0.00 to 30.00m		3	30.00			0.125		11.25
Ch 30.00 to 60.00m		3	30.00			0.125		11.25
Ch 60.00 to 90.00m		3	30.00			0.125		11.25
Ch 90.00 to 110.60m		3	20.60			0.125		7.73
11th B Cross LHS								
Ch 0.00 to 30.00m		3	30.00			0.125		11.25
Ch 30.00 to 60.00m		3	30.00			0.125		11.25
Ch 60.00 to 90.00m		3	30.00			0.125		11.25
Ch 90.00 to 112.20m		3	22.20			0.125		8.33
11th B Cross RHS								
Ch 0.00 to 30.00m		3	30.00			0.125		11.25
Ch 30.00 to 60.00m		3	30.00			0.125		11.25
Ch 60.00 to 76.60m		3	16.60			0.125		6.23
11th A Cross LHS								
Ch 0.00 to 30.00m		3	30.00			0.125		11.25
Ch 30.00 to 60.00m		3	30.00			0.125		11.25
Ch 60.00 to 90.00m		3	30.00			0.125		11.25
Ch 90.00 to 112.60m		3	22.60			0.125		8.48
11th A Cross RHS								
Ch 0.00 to 30.00m		3	30.00			0.125		11.25
Ch 30.00 to 60.00m		3	30.00			0.125		11.25
Ch 60.00 to 66.60m		3	6.00			0.125		2.25
11th D Cross RHS								
Ch 0.00 to 30.00m		3	30.00			0.125		11.25
Ch 30.00 to 40.20m		3	10.50			0.125		3.94
11th Main LHS								
Ch 0.00 to 30.00m		3	30.00			0.125		11.25
Ch 30.00 to 55.20m		3	24.00			0.125		9.00

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Basavanahalli Division, Bangalore - 560 057.

Description	Unit	No	Measurements					Qty
			Length	Width		Avg Width (W1+W2)/2	Depth	
				W1	W2			
nd Cross								
Ch 0.00 to 30.00m		3	30.00			0.125		11.25
Ch 30.00 to 60.00m		3	30.00			0.125		11.25
Ch 60.00 to 90.00m		3	30.00			0.125		11.25
Ch 90.00 to 112.80m		3	20.20			0.125		7.58
3rd Cross								
Ch 0.00 to 30.00m		3	30.00			0.125		11.25
Ch 30.00 to 60.00m		3	30.00			0.125		11.25
Ch 60.00 to 90.00m		3	30.00			0.125		11.25
Ch 90.00 to 115.30m		3	15.30			0.125		5.74
							TOTAL WORK DONE QTY	413.23

EXECUTIVE ENGINEER
Bangalore Mahanagara Palike
Rajmahal Division, Bangalore

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ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು